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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/617,397	07/11/2003	Masahide Matsuura	240064US0	3310

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EXAMINER

THOMPSON, CAMIE S

ART UNIT	PAPER NUMBER
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1774

DATE MAILED: 10/31/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary

Application No.

10/617,397

Applicant(s)

MATSUURA ET AL.

Examiner

Camie S. Thompson

Art Unit

1774

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on Amendment filed 8/9/05.
- 2a) ☐ This action is FINAL. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1,8,9,18 and 19 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1,8,9,18 and 19 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
- Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
- Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. _____.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- 1) ☒ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☐ Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)
Paper No(s)/Mail Date _____.
- 4) ☐ Interview Summary (PTO-413)
Paper No(s)/Mail Date. _____.
- 5) ☐ Notice of Informal Patent Application (PTO-152)
- 6) ☐ Other: _____.

DETAILED ACTION

1. Applicant's amendment and accompanying remarks filed August 9, 2005 have been acknowledged.
2. Examiner acknowledges amended claims 1 and 8-9.
3. Examiner acknowledges cancelled claims 2-7 and 10-17.
4. Examiner acknowledges newly added claims 18-19.
5. The rejection of claims 5-9 and 14 under 35 U.S.C. 112, second paragraph is withdrawn due to applicant's cancellation of claims 5-7 and 14 and applicant's amended claims 8-9.
6. The rejection of claims 1, 10-13 and 15-16 under 35 U.S.C. 102(b) as being anticipated by Xie et al., U.S. Patent Number 5,989,737 is withdrawn due to applicant's amended claim 1 and applicant's cancellation of claims 10-13 and 15-16.
7. The rejection of claims 1-4, 7, 14 and 17 under 35 U.S.C. 102(b) as being anticipated by Nakaya et al., U.S. Patent Number 6,203,933 is withdrawn due to applicant's amended claim 1 and applicant's cancellation of 2-7, 14, and 17.

Claim Rejections - 35 USC § 112

8. The following is a quotation of the first paragraph of 35 U.S.C. 112:

The specification shall contain a written description of the invention, and of the manner and process of making and using it, in such full, clear, concise, and exact terms as to enable any person skilled in the art to which it pertains, or with which it is most nearly connected, to make and use the same and shall set forth the best mode contemplated by the inventor of carrying out his invention.

9. Claims 1 and 8-9 rejected under 35 U.S.C. 112, first paragraph, as failing to comply with the written description requirement. The claim(s) contains subject matter which was not

Art Unit: 1774

described in the specification in such a way as to reasonably convey to one skilled in the relevant art that the inventor(s), at the time the application was filed, had possession of the claimed invention. The specification does not provide for at least one of A⁹ to A¹⁴ represents a group having condensed aromatic rings, and metal compounds for compound (B) having the condensed rings represented by formula IV-a. Pages 13-14 of the specification disclose that component (B) is at least one compound selected from [1] anthracene derivatives represented by the following general formula (I), [2] anthracene derivatives represented by general formula (II), [3] spirofluorene derivatives represented by formula (III), [4] compounds having condensed rings represented by general formula (IV) and [5] metal complex compounds.

10. The following is a quotation of the second paragraph of 35 U.S.C. 112:

The specification shall conclude with one or more claims particularly pointing out and distinctly claiming the subject matter, which the applicant regards as his invention.

11. Claims 1 and 8-9 rejected under 35 U.S.C. 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention.

Claims 1 and 8 are rendered indefinite because it is unclear if at least one of A⁹ to A¹⁴ represents a group having condensed aromatic rings or a metal complex compounds or if at least one of A⁹ to A¹⁴ represents a group having condensed aromatic rings and metal complex compounds.

Double Patenting

12. A rejection based on double patenting of the "same invention" type finds its support in the language of 35 U.S.C. 101 which states that "whoever invents or discovers any new and useful process ... may obtain a patent therefor ..." (Emphasis added). Thus, the term "same invention," in this context, means an invention drawn to identical subject matter. See *Miller v. Eagle Mfg. Co.*, 151 U.S. 186 (1894); *In re Ockert*, 245 F.2d 467, 114 USPQ 330 (CCPA 1957); and *In re Vogel*, 422 F.2d 438, 164 USPQ 619 (CCPA 1970).

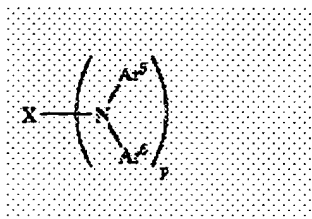
A statutory type (35 U.S.C. 101) double patenting rejection can be overcome by canceling or amending the conflicting claims so they are no longer coextensive in scope. The filing of a terminal disclaimer cannot overcome a double patenting rejection based upon 35 U.S.C. 101.

13. Claims 1, 8-9 and 18-19 are provisionally rejected under 35 U.S.C. 101 as claiming the same invention as that of claims 1, 2, 8, 9 and 16 of copending Application No. 11/207,933. This is a provisional double patenting rejection since the conflicting claims have not in fact been patented.

Both applications recite an electroluminescence device comprising a pair of electrodes and a layer of an organic light emitting medium disposed between the pair of electrodes, wherein the layer of an organic light emitting medium comprises:

(A) a compound selected from arylamine compounds represented by following formula:

Art Unit: 1774



wherein X represents a substituted or unsubstituted condensed aromatic ring group having 10 to 40 nuclear carbon atoms, Ar^5 and Ar^6 each independently represent a substituted or unsubstituted monovalent aromatic group having 6 to 40 carbon atoms, and p represents an integer of 1 to 4, and

(B) at least one compound selected from:

anthracene derivatives represented by following formula (I):



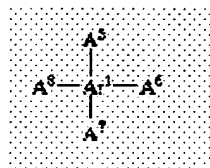
wherein A^1 and A^2 each independently represent a substituted or unsubstituted monophenylanthryl group or a substituted or unsubstituted diphenylanthryl group and may represent a same group or different group, and L represents a single bond or a divalent bonding group, and

anthracene derivatives represented by following formula (II):

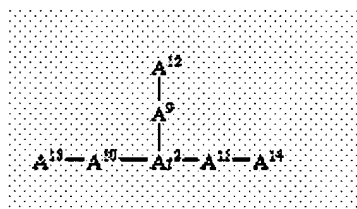


wherein An represents a substituted or unsubstituted divalent anthracene residue group, A^3 and A^4 each independently represent a substituted or unsubstituted aryl group having 6 to 40 carbon atoms, at least one of A^3 and A^4 represents a substituted or unsubstituted monovalent condensed aromatic ring group or a substituted or unsubstituted aryl group having 10 or more carbon atoms, and A^3 and A^4 may represent a same group or different group, spirofluorene derivatives represented by following formula (III):

Art Unit: 1774



wherein Ar^1 represents a substituted or unsubstituted spirofluorene residue group, A^5 to A^8 each independently represent a substituted or unsubstituted aryl group having 6 to 40 carbon atoms, compounds having condensed rings represented by following formula (IV):



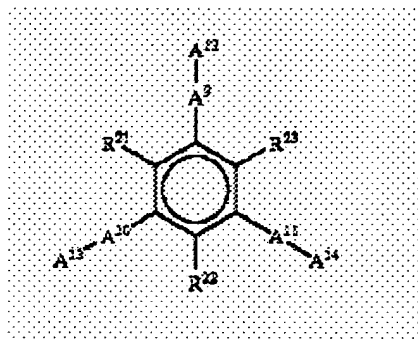
wherein Ar^2 represents a substituted or unsubstituted aromatic ring group having 6 to 40 carbon atoms, A^9 to A^{11} each independently represent a substituted or unsubstituted arylene group having 6 to 40 carbon atoms, A^{12} to A^{14} each independently represents a hydrogen atom, an alkyl group having 1 to 6 carbon atoms, a cycloalkyl group having 3 to 6 carbon atoms, an alkoxy group having 1 to 6 carbon atoms, an aryloxy group having 5 to 18 carbon atoms, an aralkyloxy group having 7 to 18 carbon atoms, an arylamino group having 5 to 16 carbon atoms, a nitro group, a cyano group, an ester group having 1 to 6 carbon atoms or a halogen atom, and at least one of A^9 to A^{14} represents a group having condensed aromatic rings.

Additionally, both applications recite an electroluminescence device comprising a pair of electrodes and a layer of an organic light emitting medium disposed between the pair of electrodes, wherein the layer of an organic light emitting medium comprises:

(A) at least one compound selected from substituted and unsubstituted arylamines having 10 to 100 carbon atoms, and

Art Unit: 1774

(B) a compound having condensed rings represented by the following formula (IV-a):



wherein A^9 to A^{11} each independently represent a substituted or unsubstituted arylene group having 6 to 40 carbon atoms, A^{12} to A^{14} each independently represents a hydrogen atom, an alkyl group having 1 to 6 carbon atoms, a cycloalkyl group having 3 to 6 carbon atoms, an alkoxyl group having 1 to 6 carbon atoms, an aryloxy group having 5 to 18 carbon atoms, an aralkyloxy group having 7 to 18 carbon atoms, an arylamino group having 5 to 16 carbon atoms, a nitro group, a cyano group, an ester group having 1 to 6 carbon atoms or a halogen atom, and at least one of A^9 to A^{14} represents a group having condensed aromatic rings having at least 3 rings and R^{21} and R^{23} each independently represents a hydrogen atom, an alkyl group having 1 to 6 carbon atoms, a cycloalkyl group having 3 to 6 carbon atoms, an alkoxyl group having 1 to 6 carbon atoms, an aryloxy group having 5 to 18 carbon atoms, an aralkyloxy group having 7 to 18 carbon atoms, an arylamino group having 5 to 16 carbon atoms, a nitro group, a cyano group, an ester group having 1 to 6 carbon atoms or a halogen atom.


Art Unit: 1774

Response to Arguments

14. Applicant's arguments with respect to claims 1 and 8-9 have been considered but are moot in view of the new ground(s) of rejection.

Any inquiry concerning this communication or earlier communication from the examiner should be directed to Camie S. Thompson whose telephone number is (571) 272-1530. The examiner can normally be reached on Monday through Friday from 7:30 am to 4:00 pm. If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Rena L Dye, can be reached at (571) 272-3186. The fax phone number for the Group is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).


RENA DYE
SUPERVISORY PATENT EXAMINER
A.U. 1774 10/27/05